

Amendments to the specification:

On page 1, after the title, please insert the following new paragraph:

CROSS-REFERENCE

The invention described and claimed hereinbelow is also described in PCT/EP2005/000971, filed on February 1, 2005, and DE 10 2004 005 380.4, filed on February 3, 2004. This German Patent Application, whose subject matter is incorporated here by reference, provides the basis for a claim of priority of invention under 35 U.S.C. 119 (a)-(d).

On page 1, before the first paragraph, please insert the following new heading:

Background of the Invention

On page 1, before line 27, please insert the following new heading:

Summary of the Invention

On page 2, please amend the paragraph in lines 3-25 as follows:

~~In a method of the type defined at the outset, this object is essentially attained with the characteristics of claim 1.~~ To that end, at least two measurement characteristics of the object are detected simultaneously in a recording device and used to determine the position of the object. To that end, the measurement characteristics whose coordinates in their own coordinate system, particularly an object coordinate system, are known or can be ascertained by the image processor, are reproduced in a two-dimensional coordinate system of the recording device. Since the location, defined by the position

and orientation, of the recording device in the space coordinate system is known along with its imaging properties, the image processor is able, using evaluation methods known per se, to establish a relationship between the measurement characteristics reproduced in the 2D coordinate system of the recording device and the space coordinate system. From the known relationship among the various measurement characteristics to one another in the object coordinate system, a conclusion can then be drawn about the location of the measurement characteristics in space that are recorded. This makes it possible to determine the position of the object in space. According to the invention, measurement characteristics can also be combined into a plurality of groups and detected in various partial measurements; the coordinates of the measurement characteristics in one group relative to one another are known, without the coordinates relative to measurement characteristics of other groups also being known. By combining the various partial measurements, the coordinates of the total body can be determined with increased accuracy.

On page 10, before line 23, please insert the following new heading:

Brief Description of the Drawings

On page 11, before line 5, please insert the following new heading:

Detailed Description of the Preferred Embodiments